

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3246	(Tobacco and (rod cylinder column) and (groove rib spiral corkscrew helix helical) and (syringe barb needle injector probe mandrel) and (pierc\$4 penetrat\$3 inject\$3 introduc\$3 shoot flow\$3 Spray\$3 infiltrat\$4 Pump\$3 forc\$3 suppl\$5 Distribut\$3) and (rotat\$3 spin\$4))	US-PGPUB	OR	ON	2007/08/27 11:52
L2	3	(Tobacco and (rod cylinder column) and (groove rib spiral corkscrew helix helical) and (syringe barb needle injector probe mandrel) and (pierc\$4 penetrat\$3 inject\$3 introduc\$3 shoot flow\$3 Spray\$3 infiltrat\$4 Pump\$3 forc\$3 suppl\$5 Distribut\$3) and (rotat\$3 spin\$4)). clm.	US-PGPUB	OR	ON	2007/08/27 11:52

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/813316	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 09:52
S2	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 09:53
S3	2958224	rod column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:44
S4	1074152	syringe barb needle injector probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:45
S5	12994803	inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:46
S6	8108	S2 near5 S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:01
S8	72	S6 Near50 S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:03
S9	57	("0236510" "0973768" "1961866" "1972718" "2067338" "2217527" "2617426" "3012915" "3402722" "3410279" "3611635" "3834398" "3872871" "3931824" "4099913" "4147172" "4186754" "4233993" "4341228" "4409995" "4451282" "4457319" "4457774" "4457870" "4457930" "Re31625").PN. OR ("4619276"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 10:22

EAST Search History

S10	4676467	rod column cylinder filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:44
S11	11647	S10 Near10 S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:44
S12	1206700	syringe barb needle injector probe mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:46
S13	13570562	inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot distribut\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/24 12:29
S14	1206700	syringe barb needle injector probe mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:51
S15	429762	S13 NEAR25 S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:52
S16	4579363	rotat\$3 spin spun	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:54
S17	17219	S15 Near10 S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S18	631328	Drum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S19	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55

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S20	4676467	rod column cylinder filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S21	11647	S20 Near10 S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:55
S22	3	S21 Near200 S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:58
S23	944038	ribs ribbed spiral corkscrew	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:29
S24	144032	mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:03
S25	1304828	hollow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:59
S26	371	(S23 near25 S24) near25 S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:00
S27	0	S26 near100 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:59
S28	0	S26 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 10:59
S29	6709	(S23 near25 S24)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:00

EAST Search History

S30	1	S29 near200 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:00
S31	10	("3096772").URPN.	USPAT	OR	ON	2007/03/13 11:03
S32	13570562	inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot distribut\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S33	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S34	4676467	rod column cylinder filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S35	11647	S34 Near10 S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:04
S36	144032	mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:24
S37	9	(S36 near25 S32) near500 S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:13
S38	39158	(S36 near25 S32)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:13
S39	209	(S36 near25 S32) near50 (flavor\$5 foam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:13

EAST Search History

S40	6	S39 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:15
S41	8	("3260265" "4580579" "4593704" "4605013" "4616662" "4632130").PN. OR ("4729387"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 11:18
S42	5	("3260265").URPN.	USPAT	OR	ON	2007/03/13 11:22
S43	4	(mandrel near30 (flavorant flavoring foam)) and (tobacco cigarette)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:25
S44	14	("3260265" "4185644" "4249544" "4391285" "4580579" "4593704" "4605013" "4616662" "4632130").PN. OR ("4632130" "4729387" "4736754").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 11:36
S45	17	((("3545453") or ("2250452") or ("3837378")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/13 11:36
S46	3	("3545453").URPN.	USPAT	OR	ON	2007/03/13 12:17
S47	3	("2250452").URPN.	USPAT	OR	ON	2007/03/13 12:23
S48	42	"2250452" "3545453" "3732872" "3837378" "3847162" "4966170"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 12:26
S49	15	("2333049" "3302834" "3319632" "3636959" "3677269" "3732872" "3847162" "3853039" "4150677").PN. OR ("4233995").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:42
S50	12	("2333049").URPN.	USPAT	OR	ON	2007/03/13 13:57
S52	17	"2349551"	USPAT	OR	ON	2007/03/13 13:58
S53	13	("1028766" "1824414" "1984981" "2468255" "3039590" "3104754").PN. OR ("3554362"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 15:22
S54	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:22

EAST Search History

S55	2958224	rod column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:22
S56	8108	S54 near5 S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:22
S57	505	drum near200 S56	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 15:24
S58	1074152	syringe barb needle injector probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S59	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S60	2958224	rod column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S61	8108	S59 near5 S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/13 15:24
S62	505	drum near200 S61	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 15:24
S63	6	S62 Near25 S58	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 11:28
S64	18	"3096772"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:09
S65	5	rimming and "131"/\$8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:10
S66	3	"End outage" and "131"/\$8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:14

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S67	1074152	syringe barb needle injector probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/14 12:15
S68	7067	(spiral helical helix) near20 S67	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:16
S69	127616	tobacco cigarette	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/14 12:16
S70	1	S68 near500 S69	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 12:20
S71	32420	"131"/\$8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06
S72	544	puffing and S71	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06
S73	174	puffing.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06
S74	22	S73 and S71	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:06
S75	12	"2250452"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:20
S76	218798	pierce piercing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:20
S77	34445	"131"/\$8.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:21
S78	317	S77 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:21

EAST Search History

S79	1257443	rib ribbed spiral corkscrew helix helical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:29
S80	74	S79 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 10:30
S81	12	("2333049").URPN.	USPAT	OR	ON	2007/03/15 10:36
S82	122	(cigarette cigar) and (cyringe barb needle injector probe mandrel) and (inject\$3 introduc\$3 shoot add\$3 flow\$3 spray\$3 infiltrat\$4 pump\$3 forc\$3 suppl\$5 shoot distribut\$4)	EPO; JPO; DERWENT	OR	ON	2007/08/24 12:29